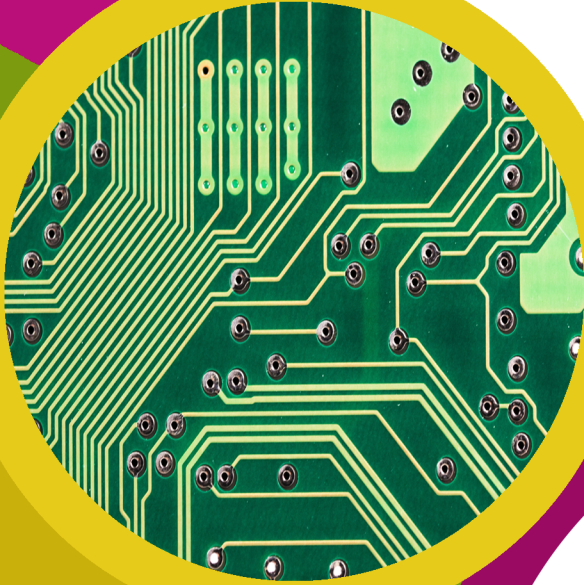


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Cyber Security In Primary - Workbook



Llywodraeth Cymru
Welsh Government

Cyngor Cyllido Addysg
Uwch Cymru
Higher Education Funding
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Write a list of personal data that could be leaked

Advice for writing a secure password

Good advice



Bad advice



--	--

Morse Code

What is the password encoded using Morse code?

.. / --. / ..--- / ...-- / -.-. / -... / .-
/ - / .---- / ..--- / .- / --

The password is:

Your passphrase could be:

Caesar Cipher

YMNX UFXBTWI MFX ST XDRGTQX GZY NX QTSL

Shift of 5

Password is:

T LX RZTYR 2 ESP RLXP

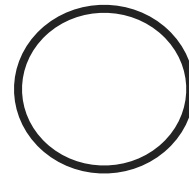
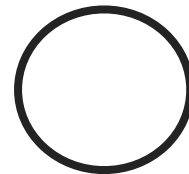
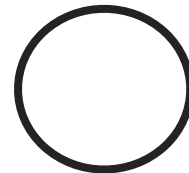
Shift is:

Password is:

Rate your progress

I can:

- Understand why strong passwords are important
- Create a strong password by following the rules that have been learnt
- Encrypt/decrypt passwords using a variety of basic methods



Introductory Questions

1. Tell your partner your best password

Do they think it is: strong (1)
 weak (2)
 you did not tell them (3)

The 1st digit is:



2. Which is the best type of password. One that:
is full of symbols (4)
is long (5)
is a mixture of lower and UPPER cases (6)
uses personal details (7)

The 2nd digit is:

Introductory Questions



Megan is 10 years old and was born on October 5th 2013. She goes to Sketty Primary School. She lives at 23 Gower Road. She has 2 cats called Sammy and Eric. She enjoys playing football and her favourite team is The Swans. Her favourite colour is black and favourite number is 3.

What would her best password be (discuss each one):

5813 **(4)**

Sammy&Eric **(6)**

lgtSgetiBlack3! **(5)**

S+E23GowerRd10 **(7)**

The 3rd digit is:

Introductory Questions

	True	False
Only rich people have their passwords attacked		
Only 15% of stolen data was due to password theft		
Your location could be found, if your password is stolen		
Do not share your passwords with friends		
Just replacing letters with numbers is a good thing when making a pa55w0rd		
You should change your password every 3 months		

How many TRUE answers are there? This is the 4th digit.

The 4th digit is:

Introductory Questions



Enter Passcode

Enter the 4 digit code for box 2

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ
	0	⌫

Box 1

-/-.-. --- -.. ./ ..- --- .-./ -/- . -.- -/
-... --- -.- / / - .- --- / ... --- ..- .-./ --- - . ./
... .. -.- /- - / ..-- .

uwjxxgzzytsg

Code:

Shift needed:

Action:



tc1.me/box1

Box 2

1st Number:

2nd Number:

3rd Number:

4th Number:

Action:



tc1.me/threecliffs

Box 3

Shopping list

2 Cream buns	3 pies
6 fishcakes	3 tangerines
7 notepads	3 bottles of water
2 limes	2 chocolate bars
2 tomatoes	4 pairs of socks
6 tomatoes	1 egg
3 bananas	2 beans
5 apples	
5 cheese slices	
2 pens	
5 scarves	

1) Shopping ✓
2) Listen to radio
3) Shift letters to post office @ 6 pm

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Message:

tc1.me/shop

The Final Code

Message from microbit:

Shift of:

Final code is:

